

04-26-01  
FISH & RICHARDSON P.C.

2200 Sand Hill Road  
Suite 100  
Menlo Park, California  
94025

Telephone  
650 322-5070

Facsimile  
650 854-0875

Web Site  
www.fr.com

1c903 U.S. PTO  
09/842204

04/24/01

April 24, 2001

Attorney Docket No.: 06618-709001

**Box Patent Application**  
Commissioner for Patents  
Washington, DC 20231

Presented for filing is a new continuation-in-part patent application of:

**Applicant:** NATHANIEL S. LEWIS, MICHAEL S. FREUND, SHAWN M.  
BRIGLIN, PHIL TOKUMARU, CHARLES R. MARTIN AND DAVID  
T. MITCHELL

**Title:** SPATIOTEMPORAL AND GEOMETRIC OPTIMIZATION OF SENSOR  
ARRAYS FOR DETECTING ANALYTES IN FLUIDS

Enclosed are the following papers, including those required to receive a filing date  
under 37 CFR §1.53(b):

	<u>Pages</u>
Specification	87
Claims	17
Abstract	1
Declaration	[To be Filed at a Later Date]
Drawing(s)	22

Enclosures:  
— Postcard.

This application is a continuation-in-part of U.S. Application No. 09/568,784, filed on  
May 10, 2000, which claims the benefit of U.S. Provisional Application No.  
60/133,318, filed on May 10, 1999, U.S. Provisional Application No. 60/140,027,  
filed on June 16, 1999. This application also claims the benefit of U.S. Provisional  
Application No. 60/199,221, filed on April 24, 2000, and U.S. Provisional  
Application No. 60/235,385, filed on September 25, 2000.

CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. EL 282 428 200 US

April 24, 2001  
Date of Deposit

Frederick P. Fish  
1855-1930

W.K. Richardson  
1859-1951



BOSTON

DALLAS

DELAWARE

NEW YORK

SAN DIEGO

SILICON VALLEY

TWIN CITIES

WASHINGTON, DC

09/842204

FISH RICHARDSON P.C.

Commissioner for Patents

April 24, 2001

Page 2

Under 37 CFR §1.53(f), no filing fee is being paid at this time.

If this application is found to be incomplete, or if a telephone conference would otherwise be helpful, please call the undersigned at (650) 322-5070.

Kindly acknowledge receipt of this application by returning the enclosed postcard.

Please send all correspondence to:

SCOTT C. HARRIS  
Fish & Richardson P.C.  
4350 La Jolla Village Drive, Suite 500  
San Diego, California 92122

Respectfully submitted,

 Reg. No. 41,258

Scott C. Harris

Reg. No. 32,030

Enclosures

SCH:TAP:rzc

50045178.doc

41258-1